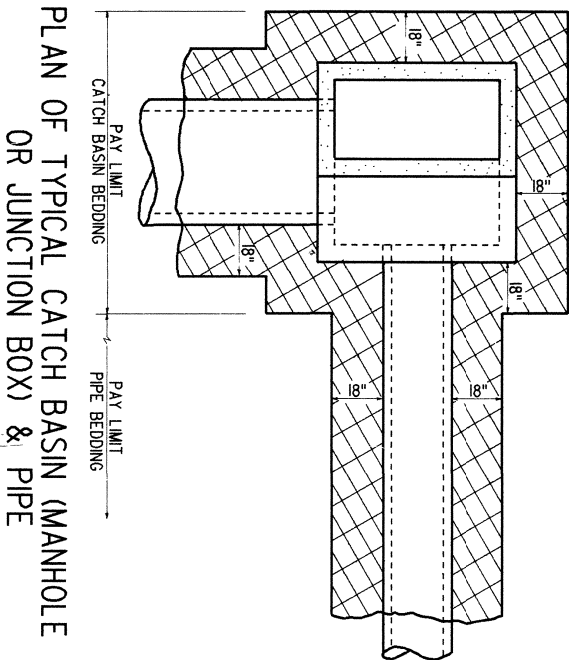
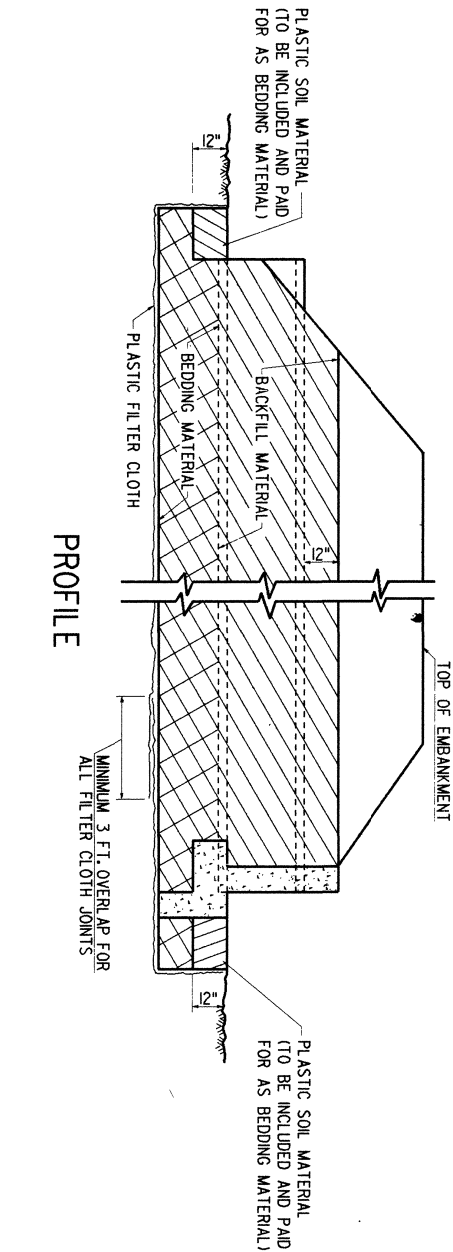
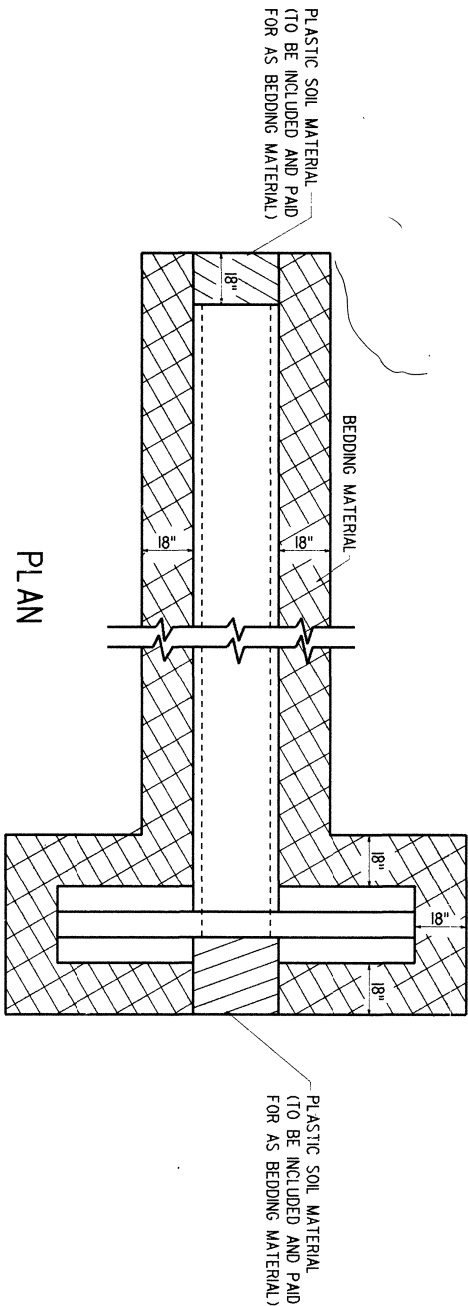


TYPICAL CATCH BASIN AND STORM SEWER PIPE  
INSTALLATION WITH BEDDING MATERIAL

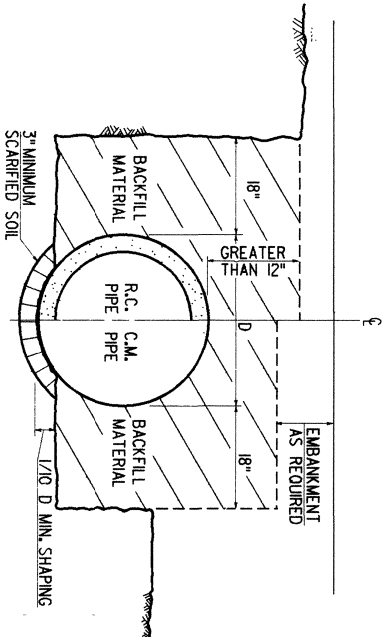


TYPICAL CROSS DRAIN INSTALLATION WITH BEDDING MATERIAL



STATE PROJECT	PARRISH	SHEET NO.

TYPICAL PIPE INSTALLATION WITHOUT  
BEDDING MATERIAL



SECTION THRU TRENCH

HALF-SECTION SHOWING TOP/HALF-SECTION SHOWING TOP  
OF PIPE GREATER THAN 12" OF PIPE ABOVE ORIGINAL  
BELOW ORIGINAL GROUND (EMBANKMENT INSTALLATION)

GENERAL NOTES:

1. STANDARD D.O.T.D. PIPE INSTALLATION, BEDDING, AND BACKFILL ARE DEFINED IN SECTIONS 701 AND 726 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.\*
2. THE NEED AND/OR THE THICKNESS OF BEDDING MATERIAL WILL BE DETERMINED BY THE GEO-TECHNICAL SECTION AND WILL BE SHOWN ON THE PLANS. ADDITIONAL BEDDING MATERIAL MAY BE REQUIRED BY THE PROJECT ENGINEER AT NO COST TO THE CONTRACTOR.
3. THE DETAILS ON THIS SHEET DEPICT PAY LIMITS FOR BEDDING MATERIALS. THE BEDDING MATERIAL PAY QUANTITIES ARE TO BE BASED ON THE THEORETICAL NET SECTION WITH NO PIPE DEDUCTIONS. FULL PIPE DEDUCTIONS (SEE TABLES ON THIS SHEET) FOR BACKFILL QUANTITIES ARE FOR INFORMATION-AL PURPOSES ONLY. THE COST OF THE BACKFILL IS TO BE INCLUDED IN THE COST OF THE HYDRAULIC STRUCTURE.
4. REINFORCED CONCRETE PIPE, REINFORCED CONCRETE BOX AND CORRUGATED METAL PIPE ARE SHOWN AS TYPICAL STRUCTURES. DETAILS FOR REINFORCED CONCRETE PIPE ARCH, CORRUGATED METAL PIPE ARCH, AND CORRUGATED STRUCTURAL PLATE STRUCTURES ARE SIMILAR.
5. PLASTIC FILTER CLOTH SHALL BE REQUIRED WHEN BEDDING MATERIAL IS REQUIRED AND SHALL BE PLACED IN ACCORDANCE WITH DETAILS PRIOR TO PLACING BEDDING MATERIAL. ADJACENT STRIPS OF FILTER CLOTH SHALL LAP EACH OTHER FOR AT LEAST 3 FEET. PLASTIC FILTER CLOTH WILL NOT BE MEASURED FOR PAYMENT.
6. BEDDING SHOWN ON THIS STANDARD PLAN CONFORMS TO CLASS "B" AS DEFINED BY THE 1983 AASHTO SPECIFICATIONS.

STANDARD PLAN NO. BM-01

SHEET 1 OF 1

STANDARD PLAN  
BEDDING AND BACKFILL FOR  
DRAINAGE STRUCTURES

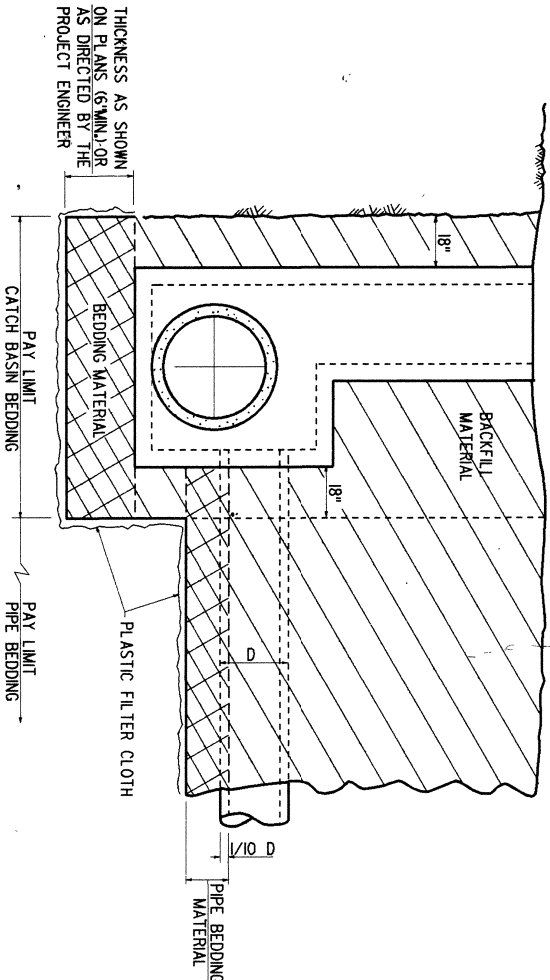
DATED JUNE 8, 1971

STATE OF LOUISIANA

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

2-19-86 REVISED  
3-2-79 RETRACTED  
DATE DESCRIPTION  
BY CHECKED J.C.M. TRACED K.A.J.  
APPROVED BY CHIEF ENGINEER Original Signed by Chief Engineer

PROFILE OF TYPICAL CATCH BASIN,  
(MANHOLE OR JUNCTION BOX) AND PIPE



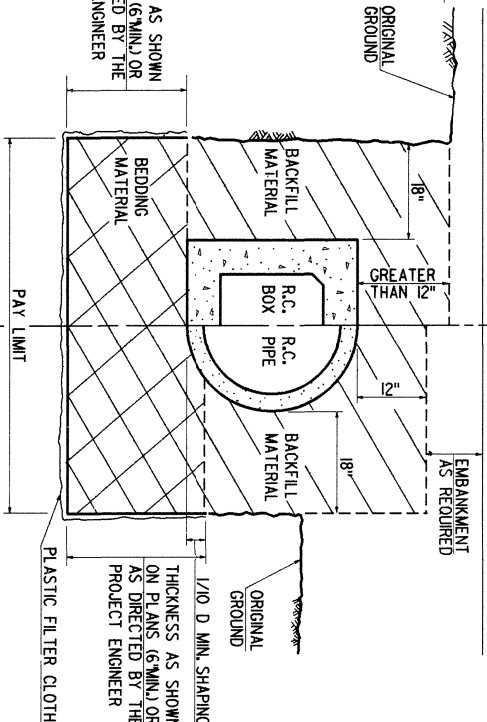
\* DEDUCTION FROM BACKFILL QUANTITY

R.C. PIPE	C.U.YDS./LIN.FT.	C.M. PIPE	C.U.YDS./LIN.FT.
15"	0.0768	0.0455	
18"	0.1068	0.0654	
24"	0.1818	0.164	
30"	0.2765	0.288	
36"	0.390	0.268	
42"	0.5254	0.3543	
48"	0.6795	0.4634	
54"	0.8534	0.5890	
60"	1.0471	0.7272	
72"	1.4940	1.0472	
84"	2.0200	1.4253	
96"	2.6232	1.8617	
108"	3.3096	2.3562	
120"	3.9593	2.9089	
132"	4.7908	3.5197	
144"	5.704	4.1888	

\* DEDUCTION FROM BACKFILL QUANTITY

R.C. PIPE ARCH	C.U.YDS./LIN.FT.	C.M. PIPE ARCH	C.U.YDS./LIN.FT.
18"	0.0979	0.0593	
24"	0.165	0.1037	
30"	0.2485	0.1630	
36"	0.3488	0.2310	
42"	0.4742	0.3222	
48"	0.6171	0.4222	
54"	0.7654	0.5296	
60"	0.9266	0.6519	
72"	1.3599	0.9630	
84"	1.8302	1.2963	
96"	2.6655	1.7037	
108"	3.3170	2.1481	

THICKNESS AS SHOWN  
ON PLANS (6 MIN.) OR  
AS DIRECTED BY THE  
PROJECT ENGINEER



SECTION THRU TRENCH

HALF-SECTION SHOWING TOP/HALF-SECTION SHOWING TOP  
OF BOX GREATER THAN 12" OF PIPE ABOVE ORIGINAL  
BELOW ORIGINAL GROUND (EMBANKMENT INSTALLATION)